

Application No.: 10/568,591

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Please revise the paragraph beginning on line 8 of page 6 as follows:

A heater chip A<sub>1</sub>, as shown in the oblique perspective view of Fig. 1, is a body 1 made of a small and thin metal plate comprising a flat shape similar to a "Japanese chess piece"

Please revise the paragraph beginning on line 12 of page 6 as follows:

The body [[51]] 1 is made of a wrought tungsten alloy comprising an internal structure of multiple thin layers.

Please revise the paragraph beginning on line 19 of page 6 as follows:

Both sides of the cuts serve as a conduction terminal portion, 1a and 1b and also function as an attaching portion of the heater chip A<sub>1</sub> with a through-hole 4.

Please revise the paragraph beginning on line 24 of page 7 as follows:

Function of the heater chip A<sub>1</sub> is here described.

Please revise the paragraph beginning on line 25 of page 7 as follows:

In the heater chip A<sub>1</sub>, a pair of conduction terminals 1a, 1b of the body 1 are connected to a power section (not illustrated in the drawing) which produces a certain increase in temperature of the thermocompression bonding portion 2 by the conduction resistance.

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Please revise the paragraph beginning on line 18 of page 10 as follows:

Now, another different feature of the inventive heater chip A<sub>1</sub> will be here described referring to Fig. 3 and the drawing (a) of Fig. 7.

Please revise the paragraph beginning on line 3 of page 11 as follows:

However, as described above, the ridges of the head surface of the projection portion 7 are covered with the peripheral area of the temperature-detecting portion 5a as if the head surface of the projection portion 7 were entirely covered and supported by a clamp so that the above delamination can be prevented. Thus, the durability performance of the heater chip A<sub>1</sub> is greatly improved. Furthermore, the accurate feedback control of the heating temperature on the thermocompression bonding portion 2 can be regularly maintained without a decrease in the electromotive force value of the thermocouple 5 which is caused by delamination.